

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	58473	pin\$2 and reservoir and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:08
L3	42779	2 and well\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:08
L4	41903	3 and "422"/\$ or "436"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:09
L5	6506	4 and (("96" or "385") same well\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:09
L6	6049	5 and (plate\$2 or tray)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:10
L7	102	6 and (deposit near5 surface)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/15 15:10
S1	136	OVERBECK.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/08 12:29
S3	0	overback.in. and James.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/08 12:29
S4	950	flowers.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/08 12:30
S5	31	S4 and peter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/08 12:32
S6	0	((nozzle\$2) with (rough near3 surface)) and ("100" adj microinch)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:34

## EAST Search History

S7	249	((nozzle\$2) with (rough near3 surface))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:40
S8	28	((nozzle\$2 or pipette\$2) with (rough near3 surface)) and (automat\$2 or robot\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:42
S9	47	((nozzle\$2 or pipette\$2 or capillary\$2) with (rough near3 surface)) and (automat\$2 or robot\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:48
S10	2	("4952089").URPN.	USPAT	OR	OFF	2005/08/08 12:44
S11	93	((nozzle\$2 or pipette\$2 or capillary\$2) with ((rough or knurl or sanding or machining) near3 surface)) and (automat\$2 or robot\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:45
S12	27953	((nozzle\$2 or pipette\$2 or capillary\$2) with (surface)) and (automat\$2 or robot\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:49
S14	838	((nozzle\$2 or pipette\$2 or capillary\$2) with (coat\$4)) and (automat\$2 or robot\$2) and "422"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:52
S15	17	"3,500,689"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/08 12:52
S16	5	("3500689"   "3864979"   "3891392"   "4267729").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 13:00
S17	12	("4267729").URPN.	USPAT	OR	OFF	2005/08/08 13:01
S18	14	("3981297"   "4267729"   "4444062"   "4852620"   "4999164"   "5209128"   "5406856"   "5445797"   "5496523"   "5556598"   "5580529"   "6045757"   "6117344"   "6182517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 13:03
S19	8	("2423173"   "3846077"   "3855867"   "3864979"   "3891392"   "3921460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 13:05
S20	12	("3500689").URPN.	USPAT	OR	OFF	2005/08/08 13:22
S21	18	("3783696").URPN.	USPAT	OR	OFF	2005/08/08 13:22
S22	2	("3901085").URPN.	USPAT	OR	OFF	2005/08/08 13:23
S23	5	("4396024").URPN.	USPAT	OR	OFF	2005/08/08 13:26

## EAST Search History

S24	25	("2237213"   "2667075"   "2685800"   "2737812"   "3141336"   "3203251"   "3603156"   "3604267"   "3632119"   "3676076"   "3739821"   "3741732"   "3864979"   "3901085"   "3952599"   "4003262"   "4024857"   "4124044").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 13:27
S25	5	("4124044").URPN.	USPAT	OR	OFF	2005/08/08 13:33
S26	5004	(capillar\$3 or pipette\$2 and nozzle\$2) same (interior or internal near4 (rough or partcle\$2))	USPAT	OR	OFF	2005/08/08 13:34
S27	670	S26 and "422"/\$	USPAT	OR	OFF	2005/08/08 13:47
S28	11	(capillary\$2 or nozzle\$2 or pipette\$2) and (aperture near3 (rough\$5 or sand\$2)) and "422"	USPAT	OR	OFF	2005/08/08 13:48
S29	1	(capillary\$2 or nozzle\$2 or pipette\$2) near6 (aperture near3 (rough\$5 or sand\$2)) and "422"	USPAT	OR	OFF	2005/08/08 13:50
S30	615	(capillary\$2 or nozzle\$2 or pipette\$2) near6 (aperture) and "422"	USPAT	OR	OFF	2005/08/08 13:50
S31	615	((capillary\$2 or nozzle\$2 or pipette\$2) near6 (aperture)) and "422"	USPAT	OR	OFF	2005/08/08 13:50
S32	5	((pin) near4 transit) same (aperture))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:02
S33	4	"09006344"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:02
S34	3397	pin and ((fluid near4 retain\$4) same (through))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:10
S35	3397	S34 and (fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:10
S36	13	S35 and "422"/\$ and "364"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:11

## EAST Search History

S37	40946	S35 and "422"/\$ or "436"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:11
S38	114	S35 and ("422"/\$ or "436"/\$)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/10 19:11
S39	50	("2868020"   "3329964"   "3334354"   "3568735"   "4041995"   "4096825"   "4142656"   "4322063"   "4340390"   "4387384"   "4434672"   "4441532"   "4452899"   "4567585"   "4635488"   "4656007"   "4659677"   "4737344"   "4981783"   "5160378"   "5202231"   "5204268"   "5213764"   "5223225"   "5262128"   "5306510"   "5338688"   "5344666"   "5428690"   "5436129"   "5443791"   "5492806"   "5525464"   "5540891"   "5551487"   "5607861"   "5626740"   "5665312"   "5700637"   "5756050"   "5770151"   "5800992"   "5807522"   "5882930"   "5895630"   "6090251"   "6101946").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/10 19:19
S40	25	("3329964").URPN.	USPAT	AND	OFF	2006/08/10 19:20
S41	53	("2868020"   "3329964"   "3334354"   "3356462"   "3568735"   "4041995"   "4096825"   "4142656"   "4322063"   "4340390"   "4387384"   "4434672"   "4441532"   "4452899"   "4567585"   "4635488"   "4656007"   "4659677"   "4737344"   "4981783"   "5186982"   "5202231"   "5204268"   "5213764"   "5223225"   "5234530"   "5262128"   "5306510"   "5338688"   "5344666"   "5428690"   "5436129"   "5443791"   "5492806"   "5525464"   "5540891"   "5551487"   "5607861"   "5626740"   "5665312"   "5700637"   "5756050"   "5770151"   "5800992"   "5807522"   "5834062"   "5882930"   "5895630"   "5939022").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/10 19:23
S42	25	("3329964").URPN.	USPAT	AND	OFF	2006/08/10 19:30
S43	1	("4109483").URPN.	USPAT	AND	OFF	2006/08/10 19:32

## EAST Search History

S44	12	("0249883"   "0681121"   "1915779"   "3122039"   "3329964"   "3683649"   "3894413").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/10 19:33
S45	25	("3329964").URPN.	USPAT	AND	OFF	2006/08/14 15:59
S46	53	("2868020"   "3329964"   "3334354"   "3356462"   "3568735"   "4041995"   "4096825"   "4142656"   "4322063"   "4340390"   "4387384"   "4434672"   "4441532"   "4452899"   "4567585"   "4635488"   "4656007"   "4659677"   "4737344"   "4981783"   "5186982"   "5202231"   "5204268"   "5213764"   "5223225"   "5234530"   "5262128"   "5306510"   "5338688"   "5344666"   "5428690"   "5436129"   "5443791"   "5492806"   "5525464"   "5540891"   "5551487"   "5607861"   "5626740"   "5665312"   "5700637"   "5756050"   "5770151"   "5800992"   "5807522"   "5834062"   "5882930"   "5895630"   "5939022").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/14 16:02
S47	24	("3334354").URPN.	USPAT	AND	OFF	2006/08/14 16:08
S48	42	("2643801"   "3164304"   "3329964"   "3334354"   "3843053"   "4023716"   "4133918"   "4155229"   "4165646"   "4351799"   "4387384"   "4400708"   "4681742"   "4699884"   "4952518"   "4992729"   "5011779"   "5046539"   "5204268"   "5443791"   "5445934"   "5460782"   "5508200"   "5525515"   "5540889"   "5551487"   "5574594"   "5587522"   "5601980"   "5677195"   "5756050"   "5770151"   "5770860"   "5772966"   "5807522"   "5840256"   "5846396"   "5849598").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/14 16:10
S49	26	("3164304").URPN.	USPAT	AND	OFF	2006/08/14 16:12

## EAST Search History

S50	42	("2643801"   "3164304"   "3329964"   "3334354"   "3843053"   "4023716"   "4133918"   "4155229"   "4165646"   "4351799"   "4387384"   "4400708"   "4681742"   "4699884"   "4952518"   "4992729"   "5011779"   "5046539"   "5204268"   "5443791"   "5445934"   "5460782"   "5508200"   "5525515"   "5540889"   "5551487"   "5574594"   "5587522"   "5601980"   "5677195"   "5756050"   "5770151"   "5770860"   "5772966"   "5807522"   "5840256"   "5846396"   "5849598").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/14 16:17
S51	4	"9744134"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/14 16:19
S52	4	"8910192"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/14 16:20
S53	37	"9535505"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/14 16:20
S54	92	"5770151"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/14 17:11
S55	25	("3356462" "3407018" "4565094" "4627009" "4688908" "4832474" "4891526" "5051594" "5160378" "5186982" "5224088" "5234530" "5323712" "5337178" "5351925" "5461237" "5583691" "5834062" "5939022" "6086825" "6090251" "6269846" "6722395").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	OFF	2006/08/14 19:21
S56	27	("5834062").URPN.	USPAT	AND	OFF	2006/08/14 19:31
S57	412	(retaining near4 aperture) same (helical or cylindrical)	USPAT	AND	OFF	2006/08/14 19:42
S58	114	S57 and fluid	USPAT	AND	OFF	2006/08/14 19:32
S59	31	(retaining near4 aperture) same (helical)	USPAT	AND	OFF	2006/08/14 19:44
S60	100	(fluid near4 aperture) same (helical)	USPAT	AND	OFF	2006/08/14 19:44

## EAST Search History

S61	6	("4466400"   "4487179"   "4594961"   "4711201"   "4796560"   "5249732").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/15 13:07
S62	3	("4594961").URPN.	USPAT	AND	OFF	2006/08/15 13:08
S63	27	("5834062").URPN.	USPAT	AND	OFF	2006/08/15 13:08
S64	53	("2868020"   "3329964"   "3334354"   "3356462"   "3568735"   "4041995"   "4096825"   "4142656"   "4322063"   "4340390"   "4387384"   "4434672"   "4441532"   "4452899"   "4567585"   "4635488"   "4656007"   "4659677"   "4737344"   "4981783"   "5186982"   "5202231"   "5204268"   "5213764"   "5223225"   "5234530"   "5262128"   "5306510"   "5338688"   "5344666"   "5428690"   "5436129"   "5443791"   "5492806"   "5525464"   "5540891"   "5551487"   "5607861"   "5626740"   "5665312"   "5700637"   "5756050"   "5770151"   "5800992"   "5807522"   "5834062"   "5882930"   "5895630"   "5939022").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/15 13:13
S65	50	("3356462").URPN.	USPAT	AND	OFF	2006/08/15 13:30